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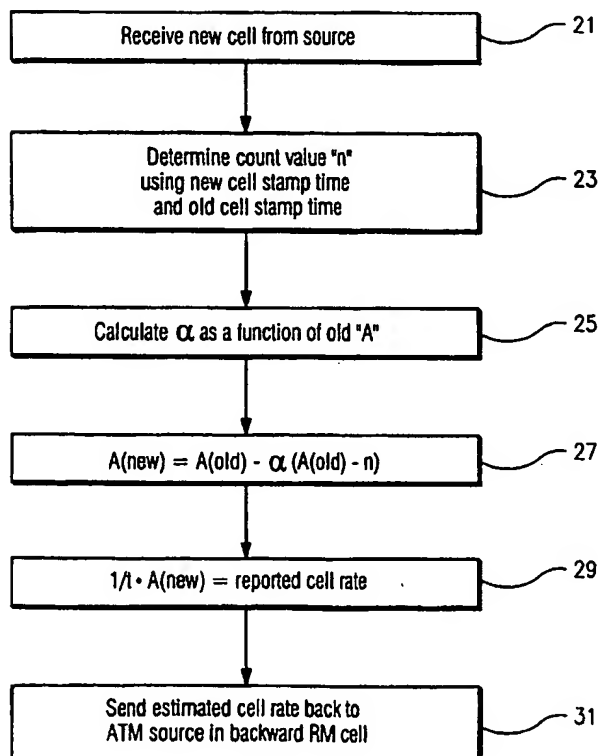
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- (71) Applicant: **TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).**
- (72) Inventor: **WICKLUND, Rolf, Göran; Diligensvägen 82, S-131 48 Nacka (SE).**
- (74) Agents: **FORSSELL, Gunilla et al.; Albihns Stockholm AB, P.O. Box 5581, S-114 85 Stockholm (SE).**
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[Continued on next page]

(54) Title: **SYSTEM AND METHOD FOR ESTIMATING CELL RATE IN AN ATM NETWORK**



(57) Abstract: A method/system for estimating cell rate is provided. The cell rate to be reported to an ATM (asynchronous transfer mode) source may be estimated using a previously calculated cell rate parameter weighted in a manner dependent upon whether a rate for the connection is high or low. An averaging parameter may be adjusted for each calculation so that for low rate connections newly measured data is more heavily weighted, and for high rate connections newly measured data is less heavily weighted. Relatively accurate and quick estimates for both high bandwidth and low bandwidth connections are achievable.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JOHANSSON P ET AL: "Discrete time stability analysis of an explicit rate algorithm for the ABR service" IEEE ATM '97 WORKSHOP PROCEEDINGS (CAT. NO.97TH8316), IEEE ATM '97 WORKSHOP PROCEEDINGS (CAT. NO.97TH8316), LISBOA, PORTUGAL, 25-28 MAY 1997, pages 339-350, XP002155258 1997, New York, NY, USA, IEEE, USA ISBN: 0-7803-4196-1	1,2,7, 11,13,14
A	figures 1,2 page 340, line 35 - line 36 page 342, line 1 -page 343, line 16 --- -/--	17,18



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Lamadie, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JAIN R: "Congestion control and traffic management in ATM networks: Recent advances and a survey" COMPUTER NETWORKS AND ISDN SYSTEMS, NL, NORTH HOLLAND PUBLISHING. AMSTERDAM, vol. 28, no. 13, 1 October 1996 (1996-10-01), pages 1723-1738, XP004013568 ISSN: 0169-7552	1,11,13
A	page 1732, column 2, paragraph 8.2 -page 1733 -----	17,18